



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/773,473	02/01/2001	Adrian P. Wise	100417(EP)USD1X1CID6 PDD	4618

22887 7590 09/26/2003

DISCOVISION ASSOCIATES
INTELLECTUAL PROPERTY DEVELOPMENT
2355 MAIN STREET, SUITE 200
IRVINE, CA 92614

EXAMINER

NGUYEN, DUSTIN

ART UNIT PAPER NUMBER

2154

DATE MAILED: 09/26/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/773,473

Applicant(s)

WISE ET AL.

Examiner

Dustin Nguyen

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 July 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☒ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/307239 ^{Copy of EP 12306238.8 & GB 9405914.4}
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☒ Other: IDS #9 filed 2/1/01, already considered by previous examiner

DETAILED ACTION

1. Claims 1 – 13 are considered for examination.

Response to Amendment

2. As per remarks, Applicants request a correction of the record for the Office Action mailed on April 24th, 2003 to response to the filing of the Application on February 5th, 2001. According to our record, the Office had received a request from Applicants for Change of Address on October 9th, 2002, the last Office Action was mailed out based on this date.

3. As per remarks, Applicants request an acknowledge receipt of Certified copies of foreign documents. According to our record, Certified copies of priority documents EP 92306038.8, and GB 9405914.4 had been received in the parent application 09/307,239, not the Certified copy of document GB 9504046.5, Examiner requests Applicants to resubmit the missing Certified copy of document GB 9504046.5.

4. As per remarks, Applicants argue that (1) Horvath does not disclose a pipeline of processing stages.

Art Unit: 2154

5. As to point (1), the limitation is rejected as mentioned in the previous Office Action which encloses below. Furthermore, Horvath discloses a process-pipeline architecture [col 1, lines 54-61].
6. As per remarks, Applicants disagree (2) on the rejection of the limitations concerning “standard-dependent and standard-independent stages”.
7. As to point (2), Horvath discloses stages to process different standards [e.g. MPEG, JPEG] [col 1, lines 33-41; and col 10, lines 17-37]. Furthermore, Applicants’ argument on page 4 of the amendment stated “the reference of Horvath et al. as a whole, make no distinction between standard-dependent and standard-dependent processing” is not clearly understood.
8. As per remarks, Applicants argue (3) the disclosure of Horvath et al. and the subsequent algorithm described is that of a single standard.
9. As to point (3), Horvath discloses different standards as mentioned above.
10. As per remarks, Applicants argue (4) Horvath does not disclose standard-dependent processing stages providing reconfiguration information.

Art Unit: 2154

11. As to point (4), the limitation is rejected as mentioned in the previous Office Action.

Furthermore, Horvath discloses processing circuitry which is used to process block of data according with the information expressed by the processing control unit [col 2, lines 19-54].

12. As per remarks, Applicants argue (5) Horvath does not disclose a “token” as “interactive interfacing messenger package for control and/or data functions”.

13. As to point (5), Horvath discloses block processing control information [col 2, lines 21-22 and lines 45-55].

14. As per remarks, Applicants argue (6) Horvath does not disclose processing using “tokens” and hence does not disclose a “QUANT_TABLE” token.

15. As to point (6), Horvath disclose the header that uses to setup data for the DCT and DCTQ devices [col 6, lines 63-col 7, lines 6].

16. Applicant's arguments filed 07/08/2003 have been fully considered but they are not persuasive.

Oath/Declaration

Art Unit: 2154

17. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

It is claiming the domestic priority of application 08/382952 which is not the same application as mentioned in the disclosure as 08/382958.

Claim Rejections - 35 USC § 102

18. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

19. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Horvath et al. [US Patent No 5450599].

20. As per claim 1, Horvath discloses the invention as claimed including a multi-standard decoder for decoding a data stream comprising:

processing stages interconnected to form a pipeline [Abstract] and for processing tokens [blocks] derived from the data stream [col 7, lines 63-col 8, lines 2],

the processing stages including standard-independent [col 6, lines 12-14; and col 8, lines 3-24] and standard-dependent processing stages [Abstract; and col 3, lines 63-col 4, lines 12],

Art Unit: 2154

wherein the standard-dependent processing stages capable of reconfiguration to operate in accordance with different data encoding standards [col 1, line 33-41, and col 5, line 15-30]; and

wherein the tokens provide reconfiguration information to the standard-dependent processing stages [col 1, lines 33-51].

21. As per claim 2, Horvath discloses each of the tokens includes an extension indicator that indicates whether additional words are present [col 5, lines 24-30; and col 8, lines 24-27].

22. As per claim 3, Horvath discloses one of the standard-dependent processing stages comprises an inverse quantizer [Figure 4].

23. As per claim 4, Horvath discloses one of the tokens comprises a first QUANT_TABLE token [col 9, line 32-46].

24. As per claim 5, Horvath discloses the inverse quantizer recognizes the first QUANT_TABLE token [col 7, line 7-13] and, responsive to a first state of the extension indicator in a first word of the first QUANT_TABLE token, generate a second QUANT_TABLE token to be conveyed to another of the processing stages [col 9, line 55-col 10, lines 9].

25. As per claim 6, Horvath discloses the second QUANT_TABLE token includes quantization table values [col 3, line 64-col 4, lines 3].

Art Unit: 2154

26. As per claim 7, Horvath discloses responsive to a second state of the extension indicator of the first word of the QUANT_TABLE token, the inverse quantizer installs a quantization table of the first QUANT_TABLE token in a memory [col 7, line 7-13].

27. As per claim 8, it is method claimed of claim 1, it is rejected for similar reasons as stated above in claim 1.

28. As per claim 9, it is rejected for similar reason as stated above in claim 2. Furthermore, Horvath discloses the states to indicate reconfiguration information [col 2, lines 45-55].

29. As per claim 10, it is method claimed of claims 4 and 5, it is rejected for similar reasons as stated above in claims 4 and 5.

30. As per claim 11, it is rejected for similar reason as stated above as in claim 6. Furthermore, Horvath discloses quantization table values to be used by the another processor [col 5, line 41-48].

31. As per claim 12, it is rejected for similar reason as stated above in claim 7.

32. As per claim 13, it is rejected for similar reasons as stated above as in claim 1.

33. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dustin Nguyen whose telephone number is (703) 305-5321. The examiner can normally be reached on Monday – Friday (8:00 – 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703) 308-9678.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directly to the receptionist whose telephone number is (703) 305-3900.

Dustin Nguyen



**MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100**